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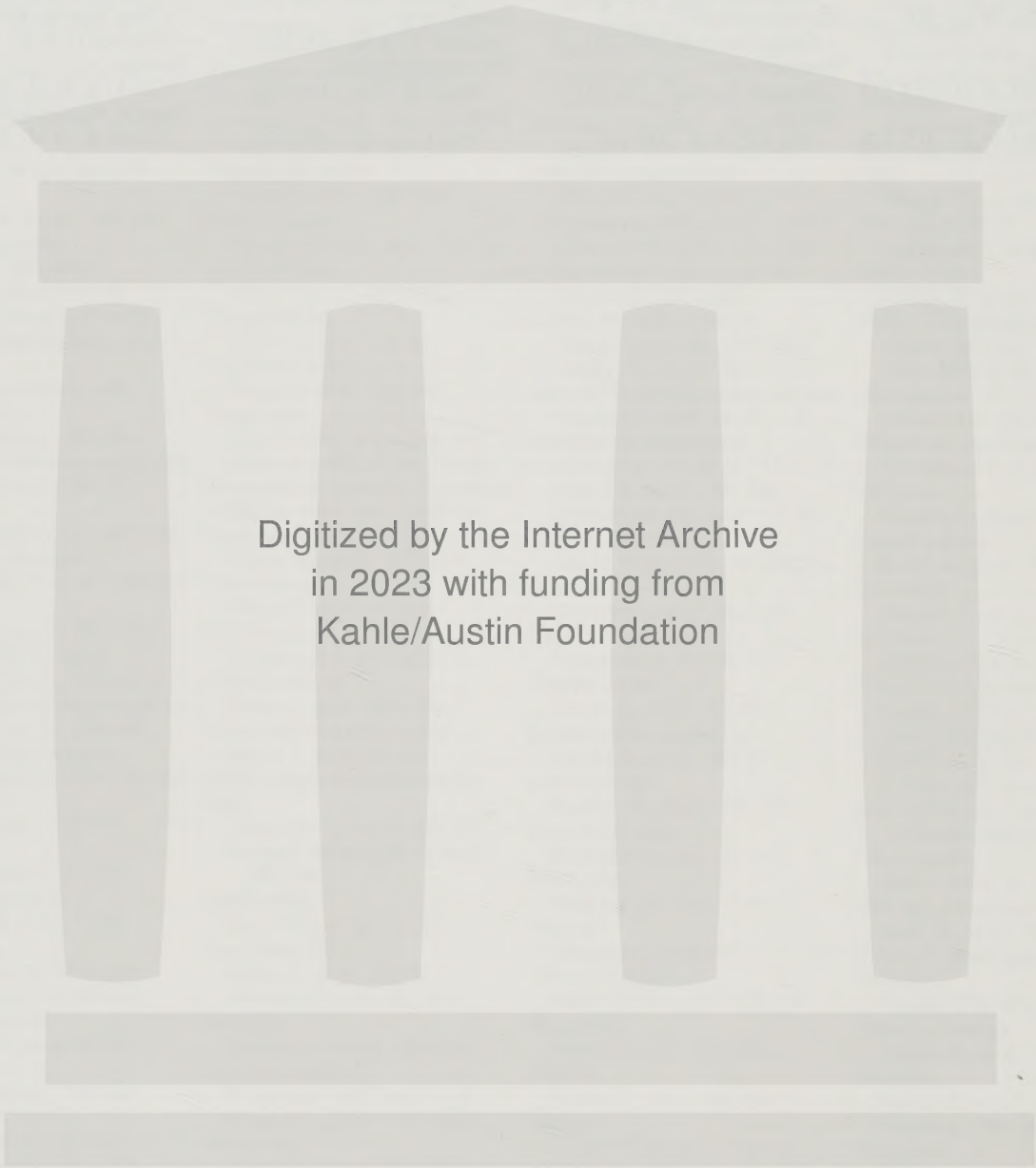

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Cell & Tissue Research

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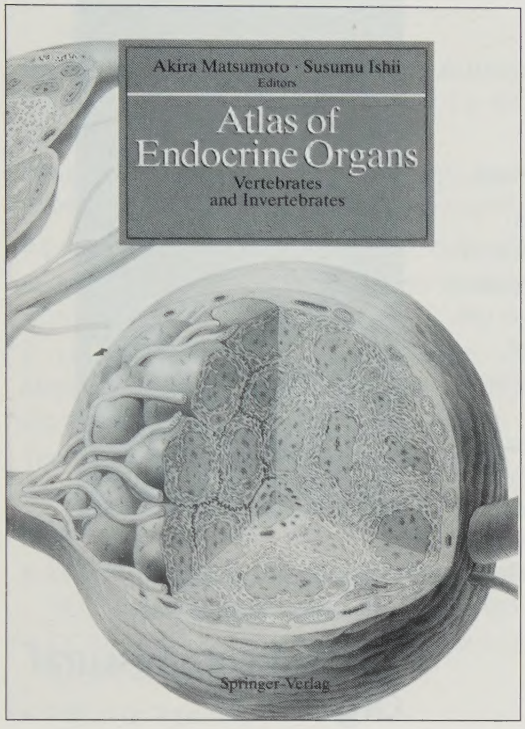

A. Matsumoto, Juntendo University, Tokyo, Japan;
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Atlas of Endocrine Organs

Vertebrates and Invertebrates

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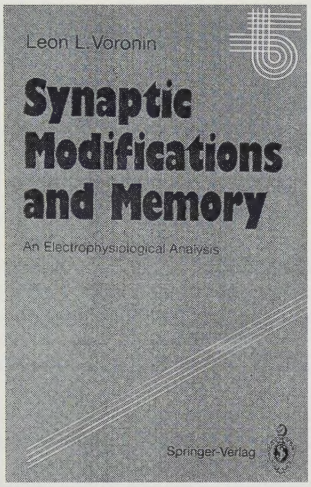


L. L. Voronin

Synaptic Modifications and Memory

An Electrophysiological Analysis

1993. XIII, 303 pp. 64 figs.
(Studies of Brain Function, Vol. 19)
Hardcover DM 248,– ISBN 3-540-56325-3

Understanding of memory and learning is one of the major goals of neuroscientists and psychologists. The author introduces the reader to the current state of knowledge of the mechanisms underlying memory by providing extensive reviews of contemporary results including behavioural approaches and molecular studies. He presents results of his group obtained by analyzing electrical activity – including single neuron measurements. As a major experimental model the phenomenon of hippocampal long-term potentiation was studied.

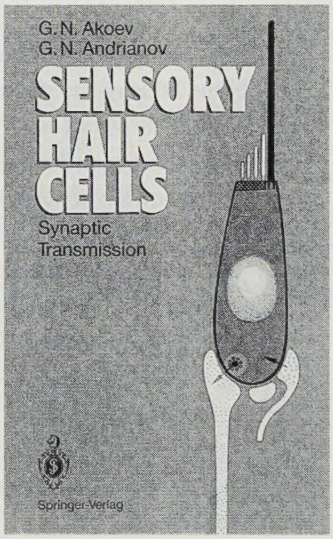
G. N. Akoev, G. N. Andrianov

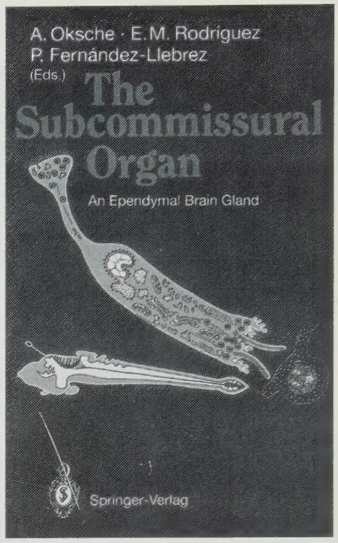
Sensory Hair Cells

Synaptic Transmission

1993. VIII, 194 pp. 92 figs.
Hardcover DM 240,– ISBN 3-540-56186-2

The acousticolateral system plays an important role in the biological activity of vertebrates. Throughout the acousticolateral system, the sensory receptors are hair cells. This is a comprehensive overview of current research on synaptic transmission in sensory hair cells. Morphological characteristics are presented and data on the properties and selectivity of various ionic channels are given. The mechanisms of neurotransmitter release from hair cells and the postsynaptic responses of afferent fibres are described and the role of excitatory amino acids is analyzed.





A. Oksche, E. M. Rodríguez, P. Fernández-Llebrez (Eds.)

The Subcommissural Organ

An Ependymal Brain Gland

1993. XVI, 333 pp. 98 figs., some in color. 15 tabs. Hardcover DM 198,–
ISBN 3-540-56336-9

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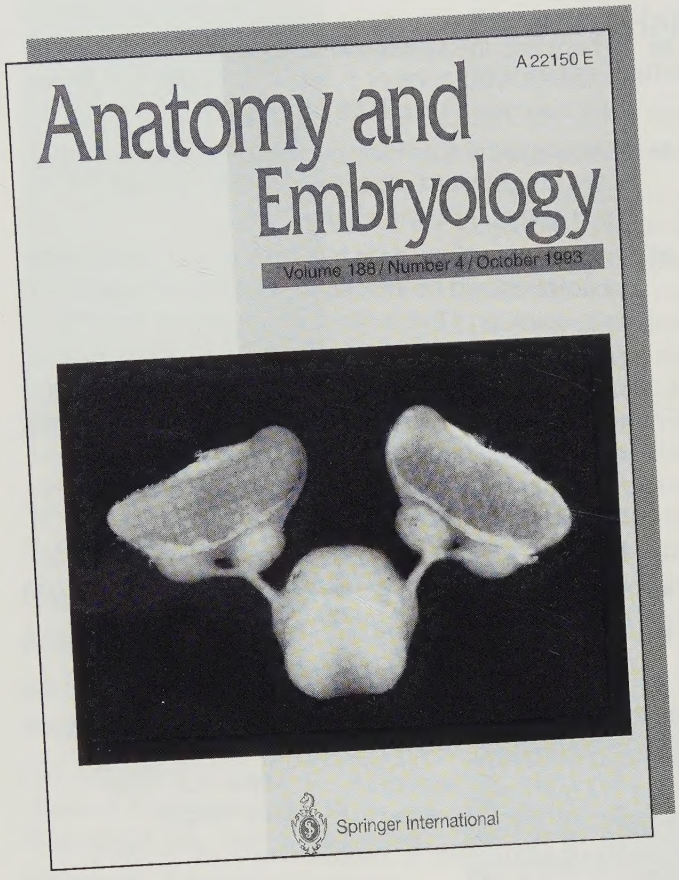

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